PUT/JP 03/15943

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61M15/00 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61M Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category ' 1-11 X WO 95 31238 A (CAMBRIDGE CONSULTANTS ; EASON STEPHEN WILLIAM (GB); CATTERALL CLIVE) 23 November 1995 (1995-11-23) the whole document WO 91 06333 A (NOVONORDISK AS) 1-11 X 16 May 1991 (1991-05-16) the whole document US 3 888 253 A (WATT PETER RIDGWAY ET AL) 1-11 X 10 June 1975 (1975-06-10) the whole document X FR 2 454 813 A (SIGMA TAU IND FARMACEUTI) 1-11 21 November 1980 (1980-11-21) the whole document -/--Patent family members are listed in annex. Further documents are listed in the continuation of box C. X Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an invention step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means in the art. "P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 31/03/2004 18 March 2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Zeinstra, H

C./Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	1 101/01 03/13343
Category °		Relevant to claim No.
X	US 6 186 141 B1 (RIEDEL INGO HELMUTH ET AL) 13 February 2001 (2001-02-13) the whole document	1-11
X	GB 2 340 758 A (BESPAK PLC) 1 March 2000 (2000-03-01) the whole document	1-11
X	US 5 785 049 A (BURR JOHN D ET AL) 28 July 1998 (1998-07-28) the whole document	1-11
X	EP 1 106 196 A (ATSUGI UNISIA CORP ;DOTT LTD COMPANY (JP)) 13 June 2001 (2001-06-13) the whole document	1-11
X	WO 01 26720 A (BRUNNBERG LENNART ;OLSSON THOMAS (SE); SHL MEDICAL AB (SE)) 19 April 2001 (2001-04-19) the whole document	1-11
X	FR 2 313 946 A (SYNTEX PUERTO RICO INC) 7 January 1977 (1977-01-07) the whole document	1-11
X	US 6 367 473 B1 (KAEFER STEFAN) 9 April 2002 (2002-04-09) the whole document	1-11
P,X	US 2003/101995 A1 (FUKUNAGA YUICHIRO (JP) ET AL.) 5 June 2003 (2003-06-05) the whole document	1-11
P,X	& WO 02 102445 A (OTSUKA PHARMA CO LTD) 27 December 2002 (2002-12-27)	1-11
A	US 5 435 297 A (KLEIN CHRISTOPH) 25 July 1995 (1995-07-25) column 3, line 30 -column 4, line 44; figure 4	1

mation on patent family mempers

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 9531238 A	23-11-1995	AT	235279 T	15-04-2003
		AU	699477 B2	03-12-1998
		AU Br	2451795 A 9507729 A	05-12-1995 23-09-1997
Į.		CA	2190496 A1	23-11-1995
		CN	1162270 A ,B	15-10-1997
1		DE	69530079 D1	30-04-2003
1		DE	69530079 T2	04-12-2003
Į.		DK	760694 T3	16-06-2003
		EP	0760694 A1	12-03-1997
		ES	2193193 T3	01-11-2003
		FI	964595 A	15-11-1996
		WO	9531238 A1	23-11-1995
		HU	76313 A2	28-08-1997
		JP	10504470 T	06-05-1998
		RU	2148417 C1	10-05-2000
		SI	760694 T1	31-10-2003
		US	5617971 A	08-04-1997
WO 9106333 A	16-05-1991	AT	109667 T	15-08-1994
		AU	6617390 A	31-05-1991
		CN	1051304 A ,B	15-05-1991
		DE	69011528 D1	15-09-1994
		DE	69011528 T2	01-12-1994 16-05-1991
		WO DK	9106333 A1 499613 T3	02-01-1995
1		EP	0499613 A1	26-08-1992
		ES	2058937 T3	01-11-1994
		HR	930363 A1	30-06-1996
Į.		ΙE	903918 A1	08-05-1991
		IL	96195 A	26-08-1994
1		JP	2856549 B2	10-02-1999
		JP	5501370 T	18-03-1993
		NZ	235917 A	28-04-1993
		PL	287574 A1	13-01-1992
		PT	95764 A ,B	30-06-1993
		RU	2091088 C1	27-09-1997
		US Za	5542411 A 9008598 A	06-08-1996 31-07-1991
ته شدا ساز بحد اسا اطلا (الد. عدد امارة فالله بهي باهر بحد بعني يهي وهر حدا بهي				
US 3888253 A	10-06-1975	GB	1404338 A	28-08-1975
		AR	196538 A1	06-02-1974
		AT	346466 B	10-11-1978
		AT BE	664073 A 802702 A1	15-03-1978 23-01-1974
1		CA	1006060 A1	01-03-1977
		CH	553579 A	13-09-1974
1		DE	2335122 A1	14-02-1974
1		ES	193872 Y	16-03-1975
1		FΙ	58076 B	29-08-1980
		FR	2194454 A1	01-03-1974
1		ΙE	38212 B1	18-01-1978
		IL 42707 A	30-06-1976	
		IŢ	990115 B	20-06-1975
1		LU	68151 A1	15-10-1973
1		NL	7310742 A	06-02-1974
		NO	133013 B	17-11-1975
		SE	392215 B	21-03-1977
				<del></del>

internation on patent family members

	ent document in search report		Publication date		Patent family member(s)	Publication date
US	3888253	Α		YU ZA	211373 A1 7305066 A	18-06-1982 31-07-1974
FR	 2454813	Α	21-11-1980	IT	1116047 B	10-02-1986
				DE	3016127 A1	20-11-1980
				ES	8102816 A1	16-05-1981 21-11-1980
				FR	2454813 A1 2048689 A	17-12-1980
				GB JP	56015759 A	16-02-1981
				บร	4338931 A	13-07-1982
IIS	6186141	B1	13-02-2001	AU	713627 B2	09-12-1999
00	0100141	-	20 02 2002	AU	2627397 A	05-12-1997
				WO	9742992 A1	20-11-1997
				BR	9710964 A	14-03-2000
				CA	2253787 A1	20-11-1997
				CZ	9803643 A3	17-03-1999
				EP	1023098 A1	02-08-2000
				KR	2000010906 A	25-02-2000
				NO	985215 A	08-01-1999
				NZ	332624 A	28-04-2000
				PL	329840 A1	12-04-1999
				TR	9802277 T2	22-02-1999
				JP 	2000510014 T	08-08-2000 
GB	2340758	Α	01-03-2000	NONE		
US	5785049	Α	28-07-1998	AU	697676 B2	15-10-1998
				AU	3553295 A	09-04-1996
				BR	9508964 A	02-06-1998 28-03-1996
				CA	2200727 A1 1160358 A ,B	24-09-1997
				CN CZ	9700723 A3	12-11-1997
				EP	0846009 A1	10-06-1998
				ξΪ	971173 A	20-03-1997
				หน้	77691 A2	28-07-1998
				IL	115369 A	29-06-2000
	•			ĪĹ	126325 A	30-04-2001
				JP	10508790 T	02-09-1998
				NO	971316 A	20-05-1997
				NZ	293163 A	24-09-1998
				NZ	331353 A	29-07-1999
				PL	319505 A1	18-08-1997
				PL RU	319505 A1 2146153 C1	18-08-1997 10-03-2000
				PL RU US	319505 A1 2146153 C1 6089228 A	18-08-1997 10-03-2000 18-07-2000
				PL RU US US	319505 A1 2146153 C1 6089228 A 2002127188 A1	18-08-1997 10-03-2000 18-07-2000 12-09-2002
				PL RU US US US	319505 A1 2146153 C1 6089228 A 2002127188 A1 2002117170 A1	18-08-1997 10-03-2000 18-07-2000 12-09-2002 29-08-2002
				PL RU US US US WO	319505 A1 2146153 C1 6089228 A 2002127188 A1 2002117170 A1 9609085 A1	18-08-1997 10-03-2000 18-07-2000 12-09-2002 29-08-2002 28-03-1996
				PL RU US US US WO US	319505 A1 2146153 C1 6089228 A 2002127188 A1 2002117170 A1 9609085 A1 2003086877 A1	18-08-1997 10-03-2000 18-07-2000 12-09-2002 29-08-2002 28-03-1996 08-05-2003
				PL RU US US WO US US	319505 A1 2146153 C1 6089228 A 2002127188 A1 2002117170 A1 9609085 A1 2003086877 A1 2003198601 A1	18-08-1997 10-03-2000 18-07-2000 12-09-2002 29-08-2002 28-03-1996 08-05-2003 23-10-2003
				PL RU US US WO US US US	319505 A1 2146153 C1 6089228 A 2002127188 A1 2002117170 A1 9609085 A1 2003086877 A1 2003198601 A1 2003129141 A1	18-08-1997 10-03-2000 18-07-2000 12-09-2002 29-08-2002 28-03-1996 08-05-2003 23-10-2003 10-07-2003
				PL RU US US WO US US US	319505 A1 2146153 C1 6089228 A 2002127188 A1 2002117170 A1 9609085 A1 2003086877 A1 2003198601 A1 2003129141 A1 2003183229 A1	18-08-1997 10-03-2000 18-07-2000 12-09-2002 29-08-2002 28-03-1996 08-05-2003 23-10-2003 10-07-2003 02-10-2003
				PL RU US US WO US US US US	319505 A1 2146153 C1 6089228 A 2002127188 A1 2002117170 A1 9609085 A1 2003086877 A1 2003198601 A1 2003129141 A1 2003183229 A1 2003185765 A1	18-08-1997 10-03-2000 18-07-2000 12-09-2002 29-08-2002 28-03-1996 08-05-2003 23-10-2003 10-07-2003 02-10-2003
				PL RU US US WO US US US US US	319505 A1 2146153 C1 6089228 A 2002127188 A1 2002117170 A1 9609085 A1 2003086877 A1 2003198601 A1 2003129141 A1 2003183229 A1 2003185765 A1 6509006 B1	18-08-1997 10-03-2000 18-07-2000 12-09-2002 29-08-2002 28-03-1996 08-05-2003 23-10-2003 10-07-2003 02-10-2003 21-01-2003
				PL RU US US WO US US US US	319505 A1 2146153 C1 6089228 A 2002127188 A1 2002117170 A1 9609085 A1 2003086877 A1 2003198601 A1 2003129141 A1 2003183229 A1 2003185765 A1	18-08-1997 10-03-2000 18-07-2000 12-09-2002 29-08-2002 28-03-1996 08-05-2003 23-10-2003 10-07-2003 02-10-2003
				PL RU US US US US US US US US	319505 A1 2146153 C1 6089228 A 2002127188 A1 2002117170 A1 9609085 A1 2003086877 A1 2003198601 A1 2003129141 A1 2003183229 A1 2003185765 A1 6509006 B1 6372258 B1	18-08-1997 10-03-2000 18-07-2000 12-09-2002 29-08-2002 28-03-1996 08-05-2003 23-10-2003 10-07-2003 02-10-2003 21-01-2003 16-04-2002

menuers on patent tanny members

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5785049	Α		ZA	9507933 A	02-08-1996
EP 1106196	Α	13-06-2001	JP	2001161820 A	19-06-2001
L. 1100150	••	10 00 2001	JР	2001161788 A	19-06-2001
			ĔΡ	1106196 A2	13-06-2001
		10 04 0001	<del></del>		16-12-2003
WO 0126720	Α	19-04-2001	SE SE	521913 C2 518512 C2	15-10-2002
			AU	1068401 A	23-04-2001
			EP	1220698 A1	10-07-2002
			WO	0126720 A1	19-04-2001
			SE	9903677 A	13-04-2001
			SE 	0000092 A	14-07-2001
FR 2313946	Α	07-01-1977	CA	1054479 A1	15-05-1979
			DE	2625925 A1	23-12-1976
			ES	448763 A1	16-12-1977
			FR	2313946 A1	07-01-1977
			GB	1521000 A	09-08-1978
			US	4105027 A	08-08-1978
			US	4064878 A	27-12-1977
			ZA	7603490 A	25-01-1978
US 6367473	B1	09-04-2002	DE	19704849 A1	13-08-1998
-5 -557 170		J. J. 2002	AU	736268 B2	26-07-2001
			AŬ	6095798 A	26-08-1998
			BR	9807830 A	08-03-2000
			CA	2280263 A1	13-08-1998
			CN	1246802 T	08-03-2000
			WO	9834660 A1	13-08-1998
			EP	0957962 A1	24-11-1999
			ĴΡ	2001521413 T	06-11-2001
US 2003101995	A1	05-06-2003	CA	2449954 A1	27-12-2002
03 2003101993	Λī	05-00-2005	MO	02102445 A1	27-12-2002
US 5435297	Α	25-07-1995	DE	4128666 C1	17-12-1992
			DE	9113361 U1	12-12-1991
			DE	9202198 U1	11-06-1992
			DE	9204938 U1	12-08-1993
			AT	179338 T	15-05-1999
			AU	653634 B2	06-10-1994
			AU	2495392 A	05-04-1993
			BR	9206422 A	17-10-1995
			CA	2116579 A1	18-03-1993
			CZ	282972 B6	12-11-1997
			CZ	9400452 A3	15-06-1994
			MO	9304718 A1	18-03-1993
			DE	59209686 D1	02-06-1999
			EP	0601036 A1	15-06-1994
			FI	940901 A	25-02-1994
			HU	66165 A2	28-09-1994
			JP	7501239 T	09-02-1995
			NO	940612 A	23-02-1994
			PL	169046 B1	31-05-1996
			SK	24494 A3	07-09-1994